## PATENT COOPERATION TREA

**PCT** 

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# INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference	FOR FURTHER ACTION See Form PCT/IPEA/416				
INTO3213N					
International application No.	International filing date (day/month/year)	Priority date (day/month/year)			
PCT/NO2003/000378	11.11.2003	27.12.2002			
International Patent Classification (IPC)					
E21B 17/01, E02B 17/0	0				
Applicant					
STATOIL ASA et al					
This report is the international pre- Authority under Article 35 and tr	eliminary examination report, established by ansmitted to the applicant according to Arti	this International Preliminary Examining cle 36.			
2. This REPORT consists of a total	of 3 sheets, including this co	over sheet.			
3. This report is also accompanied b	y ANNEXES, comprising:				
a. (sent to the applicant	and to the International Bureau) a total of				
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and/or sheets	containing rectifications authorized by this re Instructions).	nave been amended and are the basis of this report Authority (see Rule 70.16 and Section 607 of the			
sheets which	supersede earlier sheets, but which this Aut	hority considers contain an amendment that goes			
beyond the di Supplementa	sclosure in the international application as to Box.	filed, as indicated in item 4 of Box No. I and the			
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readable form only, a Administrative Instru	s indicated in the Supplemental Box Relation	ing and/or tables related thereto, in computer ng to Sequence Listing (see Section 802 of the			
4. This report contains indications re	elating to the following items:				
	f the report				
Box No. II Priority	,				
Box No. III Non-es	tablishment of opinion with regard to novel	ty, inventive step and industrial applicability			
	funity of invention	,			
Box No. V Reason					
	documents cited	such statement			
Box No. VII Certain					
Box No. VIII Certain	observations on the international application	on .			
Date of submission of the demand	Date of complet	ion of this report			
28.06.2004	01.03.20	05			
Name and mailing address of the IPEA/S:	E Authorized offic	Authorized officer			
Patent- och registreringsverket Box 5055					
S-102 42 STOCKHOLM	Christer	Bäcknert / MRo			
Facsimile No. +46 8 667 72 88	Telephone No	46 8 782 25 00			
Form PCT/IPEA/409 (cover sheet) (January 2004)					

# INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/NO2003/000378

1. With regard to the language, this report is based on the international application in the language in which it was filed, unles otherwise indicated under this item.  This report is based on a translation from the original language into the following language which is the language of a translation from the original language into the following language which is the language of a translation from the original language into the following language which is the language of a translation from the original language into the following language which is the language of a translation from the purposes of:	Box	x No. I	Basis of the report			
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#### INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

Claims

International application No.

PCT/NO2003/000378

YES

NO

Box No. V		Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement					
1.	Statement	:					
	Nove	lty (N)	Claims	1-14		YES	

1-14

Inventive step (IS) Claims 3-14 Claims 1-2

Industrial applicability (IA) Claims Claims NO

### 2. Citations and explanations (Rule 70.7)

The International Search Report cites the following relevant documents:

### D1: US4505618 A

The document discloses an apparatus for protecting marine risers extending underwater from offshore oil drilling rigs in icy waters against damage due to the pressure of ice floes.

The apparatus comprises a sea bed (21) installation (not shown), a vessel (11), a marine riser (14) provided with protecting means (6, 16) suspended from the vessel (1, 11) and covering at least the upper part of the riser (14), the further protecting means (6, 16) being provided with tensioning means (8) attached to the lower end of the protection means.

The cited document does not identify the marine riser (14) as a flexible riser; however a person skilled in the art is well aware of different types of marine risers, e.g. flexible ones. A skilled artisan seeking a solution to protecting a flexible marine riser would therefore find a solution in D1, the use of which would only require ordinary skills.

Subject matter of claims 1 and 2 therefore lacks an inventive step.